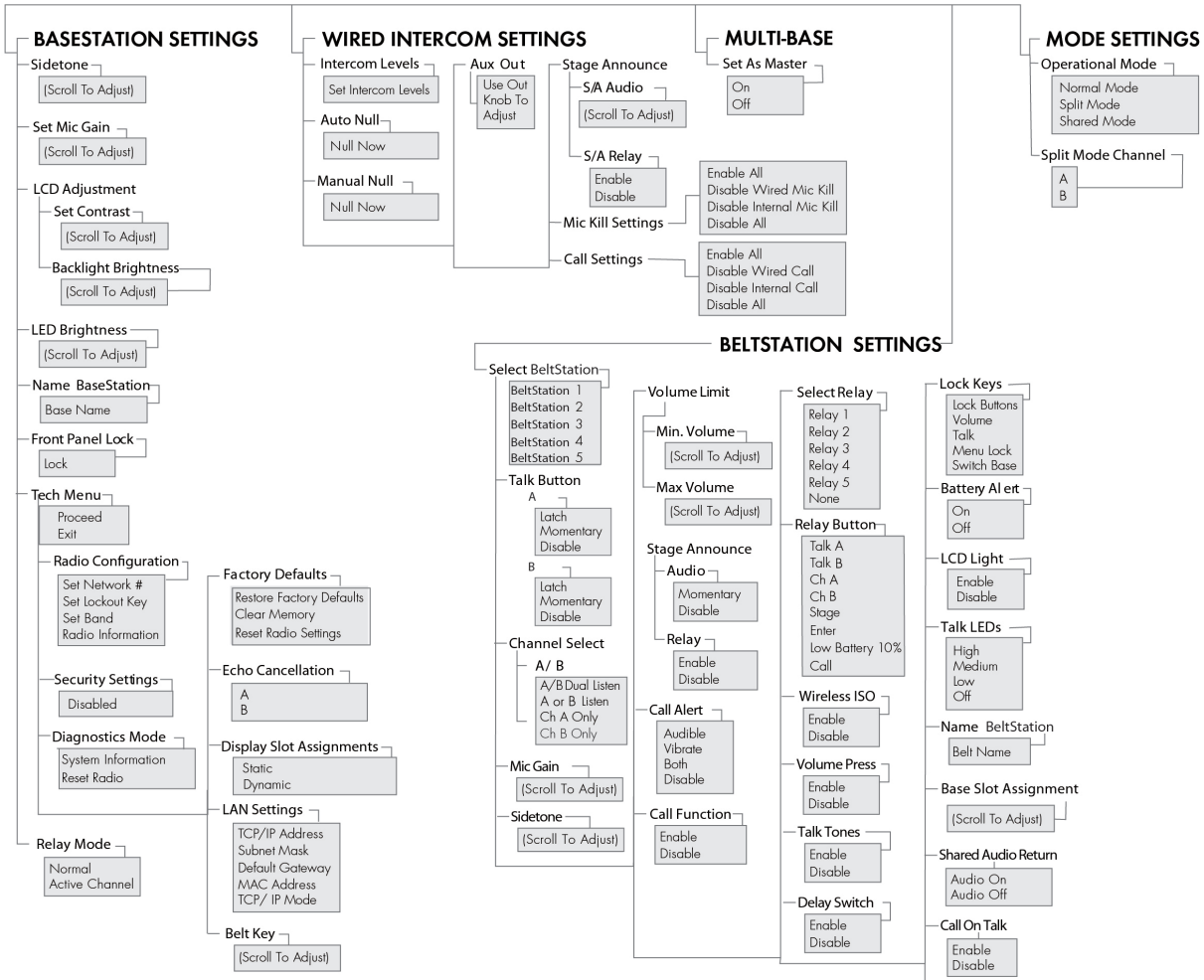
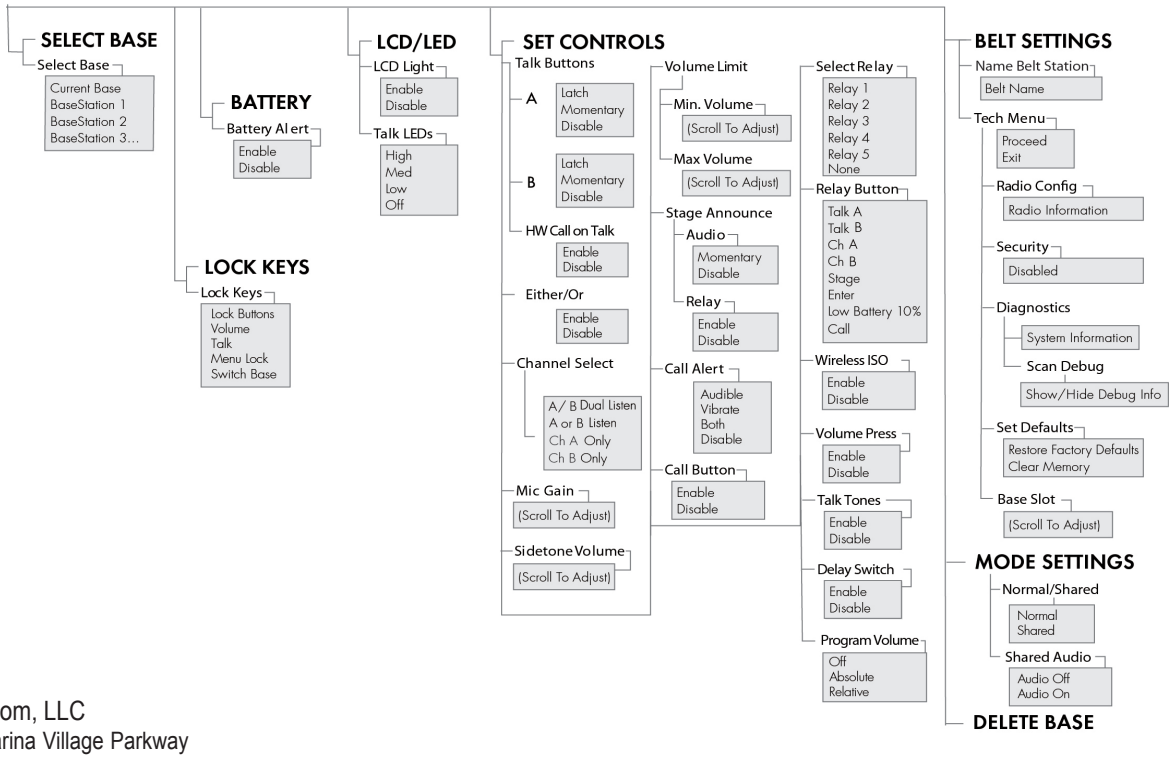
## BaseStation Menu




## BeltStation Menu

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Part Number: 399G082 Rev A

# Tempest®900

## 2-Channel QuickStart Guide

### What's in the box:

### BaseStation

- CM-922 series BaseStation
- Power Cord
- Omni-directional whip antenna
- 3.5mm to 3.5mm 3 conductor data pairing cable
  - » Used to pair a BaseStation to the BeltStation(s)
- USB-A to USB-B cable
  - » Used to update BaseStation firmware
- USB-A to Mini-USB
  - » Used to update BeltStation firmware
- BaseSync cable
  - » Used if you have more than one BaseStation
  - » Improves RF performance when using multiple systems
- CD with manual, T-Desk software

### BeltStation

- CP-922 series BeltStation
- Li-Poly rechargeable battery
- 5VDC wall charger with Mini-USB connector

### Remote Transceiver (optional)

- Remote RF transceiver (CCT-9RT)
- RJ-45 to RJ-45 CAT-5 cable
- Omni-directional whip antenna
- Mounting Plate and screws

### 5 Bay Battery Charger (optional)

- Battery Charger (T-BC5A)
- AC Cable

*Note: Charge ALL BeltStation batteries prior to set-up.*

### What else you may need:

- Headset, one for each user; may be dynamic or electret microphone, with a 4-PIN XLR female connector
- 3-PIN XLR cables to connect to external 2-Wire Intercom system
- RJ-45 cables to connect to external 4-Wire Intercom system
- RJ-45 cable to connect to PC for T-Desk LAN control

## Important things you need to know

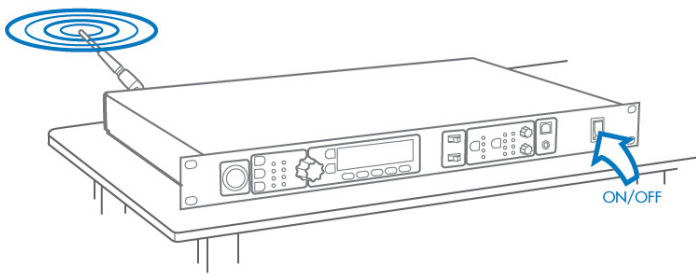
- ✓ Tempest900 operates in the 902 to 928 MHz frequency spectrum.
- ✓ Tempest900 models should never be synced with Tempest2400 models.
- ✓ Tempest BaseStations and BeltStations are shipped with a default RF configuration. It is highly recommended that you change your system from the default to ensure proper RF performance, especially in the presence of other Tempest systems.
- ✓ A BeltStation must be paired with a BaseStation for any communication to take place. Pairing should be done AFTER the default RF configuration is changed on the BaseStation.
- ✓ Charge the BeltStation batteries prior to starting set-up.

## 1 Select a location for the BaseStation and/or Remote Transceiver

*System range and performance may be greatly reduced if antennas are blocked or obstructed.*

- Always operate the system with antenna attached, locate as high as possible and away from all obstructions (especially metal).
- Reduced range may be experienced when using an antenna on a BaseStation that is installed inside a metal rack.
- When using the Whip (omni-directional) antenna, always locate it as close as possible to the center of the coverage area.
- When remotely locating antenna, use only high quality 50 ohm, low loss, RF cable (120 ft max, or approx 37m).
- Remote antenna location of up to 1500 ft (approx 457m) using standard CAT-5 wiring may be achieved using the optional Tempest Remote Transceiver.
  - » This connection cannot be through an active IP switch or router.
  - » Plug your Transceiver into the BaseStation prior to powering ON the BaseStation.

## 2 Power ON the BaseStation




- Connect the AC power cord to the BaseStation and to the AC wall outlet.
- Turn the BaseStation on via the front panel ON/OFF switch.

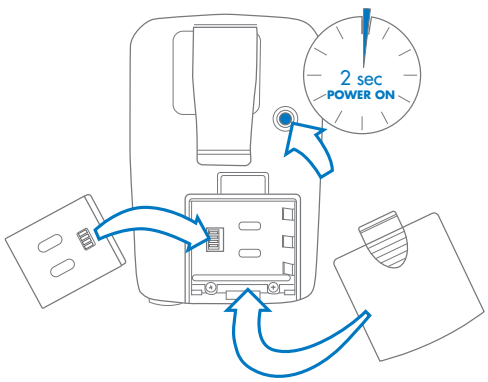
## 3 Changing the Default RF Configuration

From the front of the BaseStation, follow the steps below :

- Press MENU (Main Menu).
- Press 1 (BaseStation Settings).
- Scroll to 7 (Tech Menu) and press ENTER. A Tech Menu warning message will appear - Press ENTER to proceed.
- Press ENTER or 1 (Radio Configuration).
- Press ENTER or 1 (Network Number) and select a network other than zero, and press ENTER to save setting.
- If you have multiple BaseStations, ensure you select a different Network Number for each BaseStation.
- Collocated BaseStations should be in the same Network Number Group.
- Press MENU to return to previous menu; press 2 (Lockout Key) and select a lockout key other than 255 and press ENTER to save setting.
- Press MENU repeatedly until you get back to the Operational screen.
- Power the BaseStation OFF; wait 10 seconds and power the BaseStation ON again.

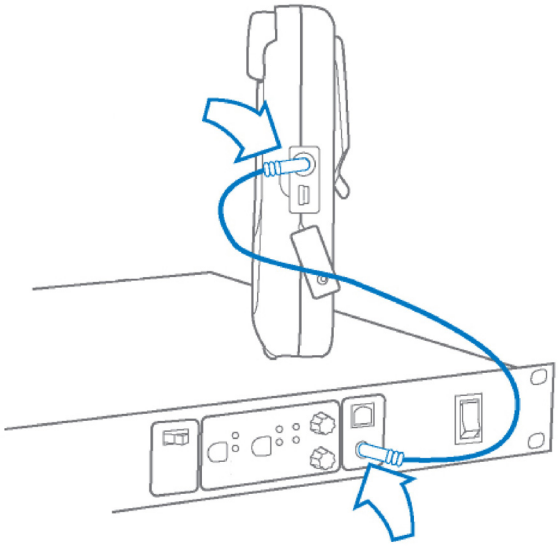
## 4 Power ON the BeltStation

- Slide the battery door off by pressing down and back.
- Install the battery or AA batteries (x3) and replace the battery door.
- Press and hold the ON/OFF button for two seconds; the BeltStation will vibrate as it powers up.
- Power the BeltStation OFF by pressing and holding the ON/OFF button for four seconds.



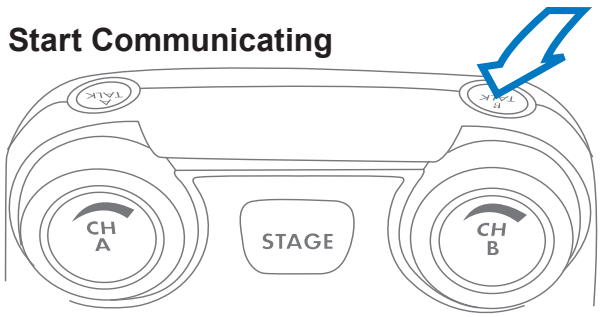
# QuickStart Guide

## 5 Pair BeltStations to the BaseStations



- Confirm the BaseStation is powered ON.
- Confirm the BeltStation is powered OFF.
- Connect the 3.5mm data pairing cable from the BaseStation to the BeltStation.
- Power ON the BeltStation while observing the BeltStation LCD screen; the BeltStation will vibrate and "Pairing Complete" will appear momentarily on the LCD screen if pairing was successfull.
- The BeltStation will return to the operational screen and log into the BaseStation.
- The BeltStation will appear in the first available slot on the LCD screen.
- Repeat for each BeltStation. *Note: BeltStations are named to their default setting name. They can be renamed.*

## 6 Start Communicating




- Plug a headset into each BeltStation.
- To set Mic Gain, Press MENU and scroll down to Set Controls.
- Scroll to Mic Gain and Press ENTER.
- Set the Mic Gain for the headset you are using; speak loudly into the microphone and adjust the setting so that the blue TALK LED flashes red at your loudest point and then adjust down slightly. Press ENTER to save.
- Select the desired communication channel by pressing the A or B channel selector.
- Adjust the headset listening volume by turning the A or B rotary control.
- Press the TALK button to talk to others on the selected channel (the blue flashing LED will remain lit when talk is enabled on that channel).*
- Confirm the desired talk channel and talk status by observing the BeltStation LCD screen.

## 7 Connecting to External 2-wire Intercom Systems

- Select the correct intercom type on the front of the BaseStation.
  - » Intercom type select switch A&B controls intercom channels A and B.
  - » CLEAR-COM is used for Clear-Com and Clear-Com compatible 2-Wire systems.
  - » RTS is used for RTS and RTS compatible systems.
  - » BAL is used for Telex AudioCom & AudioCom compatible systems.
- Connect 3-PIN XLR cables to the back of the BaseStation for the appropriate channel.
- Press the left SEL button twice to select an intercom channel (A or B); press the right SEL button to select 2-Wire operation.
- Use the IN and OUT rotary controls to set the IN (from 2-Wire to BaseStation and OUT (from BaseStation to 2-Wire) levels.
- Perform Auto Null from the BaseStation.*

## 8 Connecting to External 4-wire Intercom Systems

- Connect RJ-45 cables to the back of the BaseStation for the appropriate channel. *Note: The intercom type select switches do not apply to 4-Wire operation.**
- Press the left SEL button twice to select an intercom channel (A or B).
- Press the right SEL button to select 4-Wire operation.
- Use the IN and OUT rotary controls to set the IN (from 4-Wire to BaseStation and OUT (from BaseStation to 4-Wire) levels.

## Useful tips

- ✓ TALK buttons can be set to three different modes: Latch, Momentary, or Disable.
- ✓ Mic gain, sidetone, and volume levels can all be set based on each user's needs.
- ✓ Set a single BaseStation to Split or Shared mode and use an unlimited number of BeltStations that operate in a push-to-talk/ momentary talk mode.
- ✓ When syncing multiple BaseStations, it is important to power ON one BaseStation at a time, starting with the first BaseStation in the sequence.
- ✓ For more information on these features and other advanced settings please refer to the Tempest Reference Manual.

*Refer to the Tempest Owner's Manual for detailed system information.